

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P483672

Luminaire Tested: **IFLD-S-SA6C-750-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483672  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-750-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

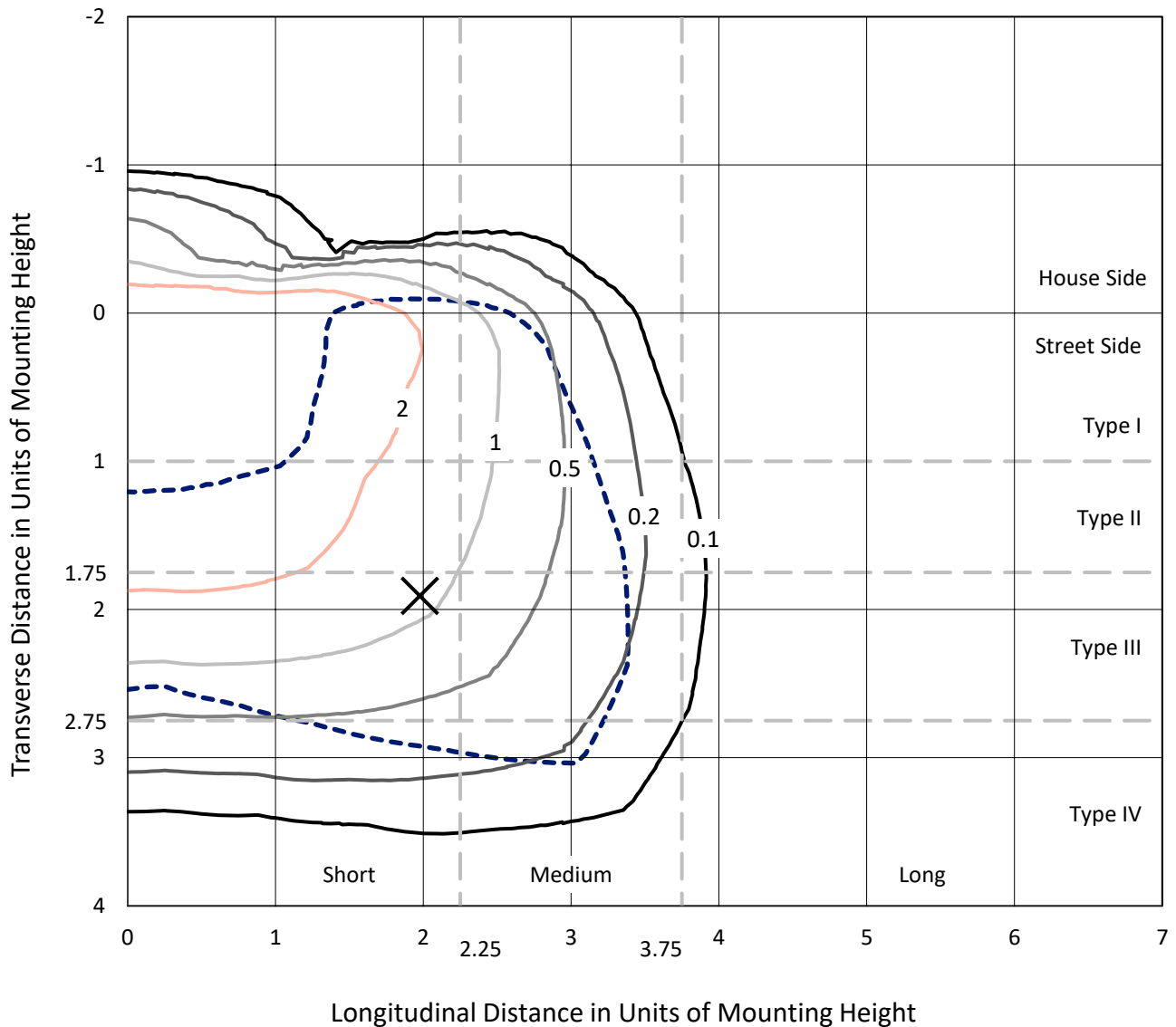
Lumens per Lamp: N/A  
Luminaire Lumens: 31360.5 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

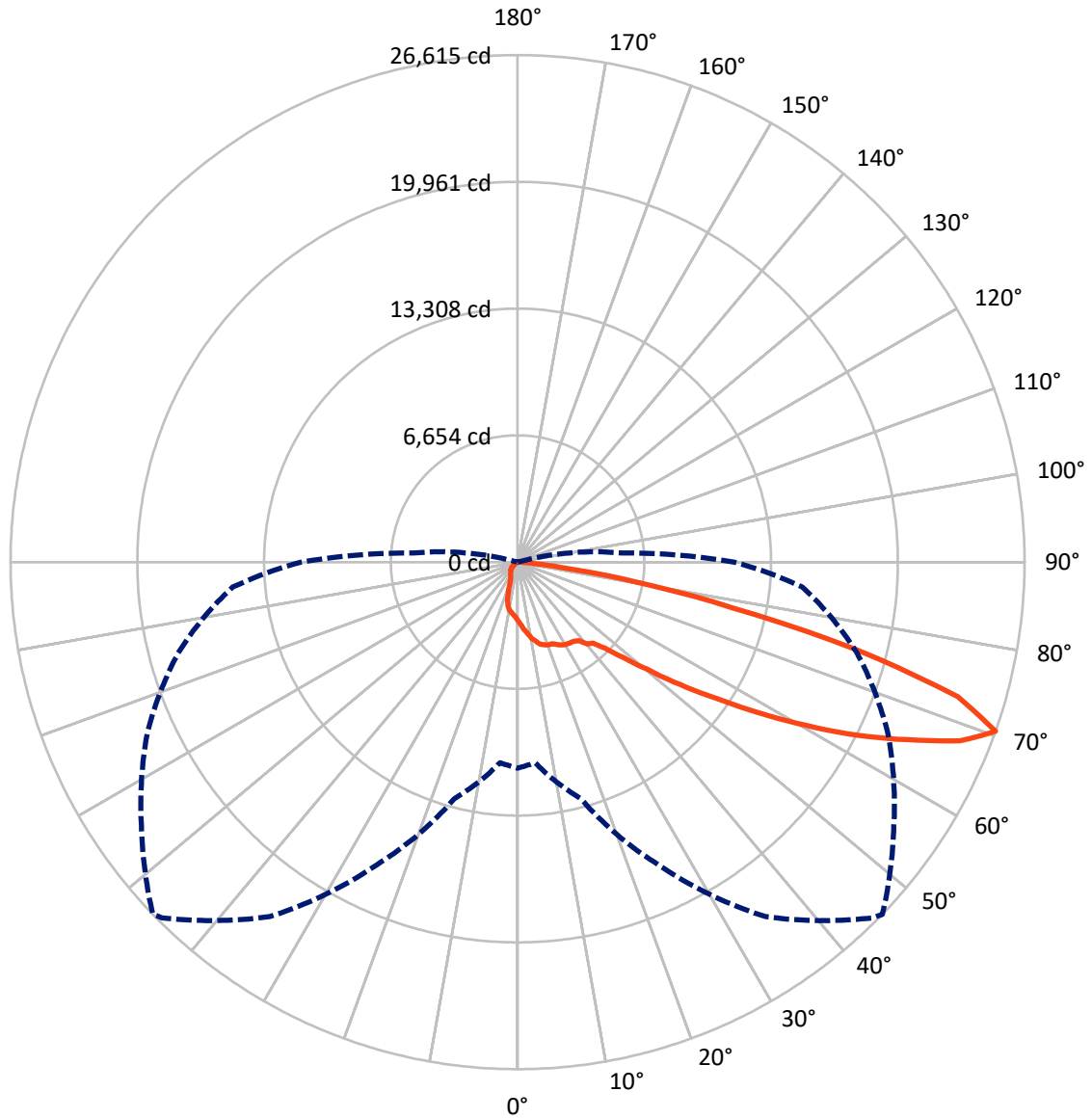
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3120.4	0.0	3120.4
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	28240.0	0.0	28240.0
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	31360.5	0.0	31360.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	307.0	1.0
10°-20°	927.0	3.0
20°-30°	1484.9	4.7
30°-40°	2119.5	6.8
40°-50°	3659.8	11.7
50°-60°	7007.0	22.3
60°-70°	10376.3	33.1
70°-80°	5139.3	16.4
80°-90°	339.6	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	31360.5	100.0
0°-180°	31360.5	100.0

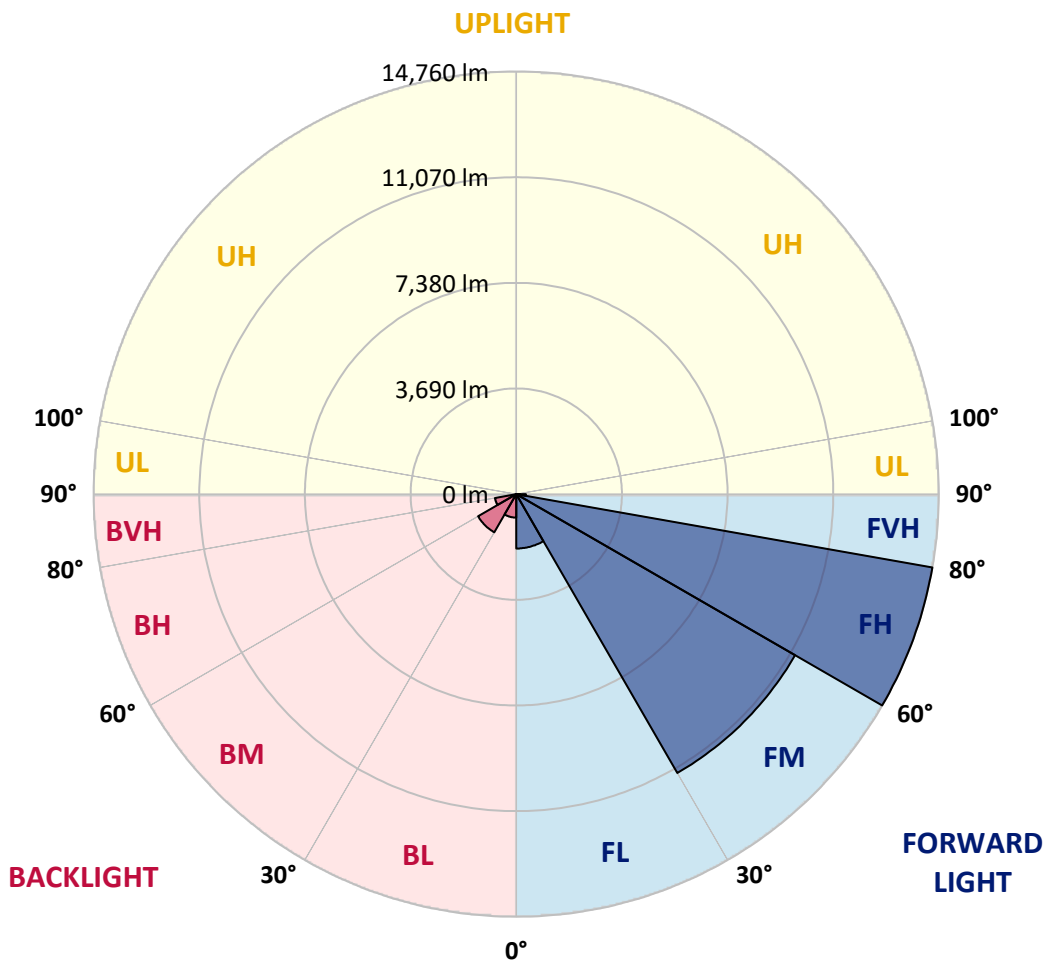


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1899.1	6.1			
FM (30°-60°)	11245.8	35.9			
FH (60°-80°)	14759.9	47.1			G5
FVH (80°-90°)	335.3	1.1			G3/500
BL (0°-30°)	819.8	2.6	B2/1000		
BM (30°-60°)	1540.6	4.9	B2/2500		
BH (60°-80°)	755.7	2.4	B2/1000		G2/1000
BVH (80°-90°)	4.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6
2.5°	3435.2	3412.7	3376.6	3363.0	3326.9	3308.8	3281.8	3268.2	3218.6	3168.9	3137.3
5°	3855.1	3800.9	3818.9	3764.8	3647.4	3552.6	3548.1	3444.3	3331.4	3241.1	3119.3
7.5°	4279.4	4234.2	4166.5	4089.8	3958.9	3818.9	3778.3	3679.0	3521.0	3363.0	3200.5
10°	4599.9	4568.3	4509.6	4401.3	4220.7	4062.7	4067.2	3900.2	3733.2	3552.6	3331.4
12.5°	4798.5	4812.0	4726.3	4617.9	4459.9	4261.3	4256.8	4144.0	3954.4	3764.8	3503.0
15°	4997.1	5046.8	4915.9	4789.5	4586.3	4441.9	4469.0	4333.5	4148.5	3931.8	3642.9
17.5°	5028.7	5042.3	5015.2	4830.1	4681.1	4559.3	4563.8	4473.5	4333.5	4098.8	3850.5
20°	4974.6	4965.5	4933.9	4798.5	4699.2	4627.0	4631.5	4608.9	4532.2	4342.6	4004.0
22.5°	4816.6	4816.6	4775.9	4685.6	4640.5	4708.2	4654.0	4739.8	4658.6	4545.7	4265.8
25°	4690.2	4739.8	4717.2	4658.6	4676.6	4766.9	4794.0	4875.2	4861.7	4721.8	4446.4
27.5°	4825.6	4766.9	4780.4	4712.7	4780.4	4915.9	4929.4	4988.1	4983.6	4870.7	4608.9
30°	4915.9	4970.0	4866.2	4717.2	4789.5	5019.7	5010.7	5087.4	5123.5	4988.1	4762.4
32.5°	5204.8	5159.6	5073.9	4875.2	4884.3	5015.2	5055.8	5155.1	5177.7	5096.4	4911.4
35°	5796.1	5728.4	5353.7	5055.8	5010.7	5073.9	5100.9	5295.1	5335.7	5245.4	5069.3
37.5°	6708.0	6554.5	6103.1	5444.0	5240.9	5227.3	5227.3	5484.6	5638.1	5430.5	5304.1
40°	8012.5	7795.9	7308.3	6161.8	5543.3	5597.5	5651.7	5791.6	5773.5	5638.1	5611.0
42.5°	9673.7	9506.7	8978.6	7367.0	6121.1	5850.3	5805.1	5994.7	6279.1	6225.0	6206.9
45°	11059.6	11068.6	10730.0	9019.2	7118.8	6432.6	6464.2	6608.7	7087.2	7046.5	7042.0
47.5°	12070.7	11944.3	11894.7	10612.7	8572.3	7538.6	7493.4	7592.7	8215.7	8473.0	8590.4
50°	12991.6	12905.8	12788.5	12161.0	10319.3	8924.4	8879.3	8888.3	9840.8	10201.9	10490.8
52.5°	14133.7	14242.0	13853.8	13470.1	12580.8	10725.5	10675.9	10499.8	11682.5	12179.1	12522.1
55°	15542.1	15338.9	14901.1	15099.7	14743.1	12671.1	12580.8	12373.2	13781.6	13989.2	14350.4
57.5°	15853.6	15700.1	16151.5	16855.7	17198.8	14955.3	14919.1	14544.5	15546.6	15357.0	16377.2
60°	16630.0	16670.6	17298.1	18697.4	19293.3	17591.5	17415.4	16756.4	17257.4	17293.6	18381.5
62.5°	17429.0	17334.2	18738.1	20083.3	20999.6	20087.8	20029.1	18720.0	19288.8	18828.4	20268.4
65°	16842.1	16986.6	18995.4	21247.9	23211.6	22529.9	22480.3	20611.4	20922.9	20349.6	21035.8
67.5°	14756.6	14463.2	17275.5	20715.3	24349.1	25089.4	25035.3	22674.4	21843.8	20340.6	19442.3
70°	10815.8	10563.0	12856.2	17541.8	22719.5	26398.5	26615.2	24109.9	21469.1	18444.7	15000.4
72.5°	5299.6	5304.1	7204.5	11894.7	17975.2	24060.2	24168.6	22105.6	18444.7	13596.5	8495.6
75°	1566.4	1584.5	2667.8	5832.2	11619.3	18273.1	18395.0	16779.0	12784.0	7024.0	2898.1
77.5°	573.3	573.3	884.8	2189.3	5796.1	11533.6	11524.5	10301.2	6473.2	2378.9	677.1
80°	297.9	311.5	460.4	893.8	2509.8	6008.3	6234.0	5042.3	2460.2	1002.1	198.6
82.5°	121.9	135.4	252.8	460.4	1205.3	2108.1	2306.7	1977.2	1069.8	699.7	90.3
85°	36.1	40.6	121.9	257.3	474.0	528.2	586.8	663.6	672.6	541.7	40.6
87.5°	4.5	4.5	49.7	85.8	103.8	112.9	130.9	130.9	343.1	379.2	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6	3078.6
2.5°	3101.2	3078.6	3042.5	2961.3	2943.2	2884.5	2880.0	2825.8	2843.9	2807.8	2794.2
5°	3078.6	3029.0	2929.7	2866.5	2803.3	2762.6	2735.6	2713.0	2708.5	2690.4	2681.4
7.5°	3119.3	3051.5	2898.1	2798.7	2690.4	2654.3	2595.6	2591.1	2559.5	2527.9	2527.9
10°	3254.7	3132.8	2965.8	2798.7	2658.8	2541.4	2406.0	2306.7	2270.6	2189.3	2198.4
12.5°	3363.0	3254.7	3010.9	2839.4	2627.2	2360.9	2062.9	1832.7	1724.4	1620.6	1661.2
15°	3516.5	3358.5	3096.7	2848.4	2505.3	2044.9	1557.4	1300.1	1200.8	1178.2	1173.7
17.5°	3683.5	3516.5	3205.0	2825.8	2257.1	1579.9	1146.6	997.6	1015.7	1042.8	1038.2
20°	3868.6	3665.5	3286.3	2749.1	1864.3	1146.6	938.9	934.4	961.5	1002.1	1011.2
22.5°	4062.7	3886.6	3385.6	2518.9	1390.3	920.9	902.8	902.8	920.9	970.5	961.5
25°	4279.4	4044.6	3435.2	2162.3	997.6	848.7	857.7	875.7	884.8	925.4	929.9
27.5°	4446.4	4220.7	3448.8	1733.4	812.5	785.5	808.0	830.6	844.1	875.7	889.3
30°	4599.9	4441.9	3376.6	1291.0	744.8	731.3	740.3	771.9	799.0	826.1	826.1
32.5°	4794.0	4568.3	3209.5	916.4	704.2	681.6	677.1	690.7	722.3	753.9	753.9
35°	4992.6	4780.4	2943.2	735.8	668.1	636.5	618.4	604.9	618.4	641.0	659.1
37.5°	5281.5	5100.9	2609.2	677.1	641.0	595.9	559.7	528.2	505.6	501.1	514.6
40°	5692.3	5462.1	2180.3	636.5	609.4	555.2	501.1	446.9	397.2	365.6	370.2
42.5°	6315.2	5994.7	1715.4	613.9	586.8	510.1	433.4	356.6	293.4	261.8	261.8
45°	7204.5	6698.9	1259.4	591.3	559.7	455.9	356.6	266.3	203.1	185.1	189.6
47.5°	8545.2	7547.6	902.8	555.2	523.6	397.2	279.9	189.6	149.0	139.9	144.5
50°	10296.7	8554.2	704.2	514.6	478.5	334.0	207.6	139.9	117.4	112.9	117.4
52.5°	12133.9	9569.9	618.4	478.5	410.8	266.3	153.5	112.9	99.3	94.8	99.3
55°	13704.8	10224.5	537.2	424.3	329.5	198.6	121.9	99.3	85.8	72.2	72.2
57.5°	15293.8	10554.0	424.3	352.1	243.8	149.0	103.8	85.8	72.2	58.7	54.2
60°	16584.8	10788.7	302.4	261.8	171.5	117.4	90.3	76.7	58.7	45.1	40.6
62.5°	17433.5	10116.1	221.2	198.6	126.4	99.3	76.7	63.2	45.1	31.6	31.6
65°	17013.7	9186.2	171.5	139.9	94.8	76.7	63.2	45.1	31.6	18.1	13.5
67.5°	15266.7	7484.4	139.9	103.8	72.2	58.7	49.7	36.1	18.1	4.5	4.5
70°	11389.1	5484.6	112.9	76.7	58.7	45.1	36.1	22.6	9.0	4.5	0.0
72.5°	6229.5	3001.9	90.3	63.2	45.1	36.1	27.1	18.1	9.0	0.0	0.0
75°	2058.4	799.0	67.7	45.1	27.1	22.6	18.1	13.5	4.5	0.0	0.0
77.5°	496.6	207.6	54.2	40.6	22.6	13.5	9.0	4.5	4.5	0.0	0.0
80°	153.5	85.8	40.6	27.1	18.1	13.5	4.5	0.0	0.0	0.0	0.0
82.5°	63.2	40.6	18.1	18.1	13.5	4.5	0.0	0.0	0.0	0.0	0.0
85°	31.6	22.6	13.5	9.0	9.0	4.5	0.0	0.0	0.0	0.0	0.0
87.5°	22.6	9.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)